

Response office action 08/477 704 1/14/03

page 2

In the claims:

Cancel ~~221~~ claims. (11 claims)

Please cancel claims 221, 222, ~~223, 224, 225, 226, 227, 228, 229~~, 334 (if the examiners records do not show any of these as already cancelled by the applicant), since these duplicate subject matter claimed elsewhere.

Please cancel claims 313 thru 318, ~~319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333~~. The applicant considers the examiners objection that the disclosure is not enabling partly founded.

Amend claims

The following amendments are considered "housekeeping" and technical corrections. They are not intended to change the sense or scope of claims.

In claims 223, 224, 230, 231, delete "a housing".
~~In claims 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000~~
 In claims 301 ~~302, 303, 304, 305, 306, 307, 308, 309, 310~~ thru 312, change "device"

→

Response to office action 08/477 704 1/14/03 page 3

to "rotatable shaft, mechanism and device".

In claims 302, 305, 308, 311, change "claim 221" to "claim 219".

In claims 303, 306, 309, 312, change "claim 222" to "claim 220".

In claim 249, change "device" to "engine".

Change the number of the claim following claim 338 from "239" to "339".

In claim 336, change "226" to "227".

ADD CLAIMS

349 As allowed 224, dependent on 348.

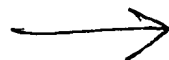
350 " " 227, " on 348.

351 " " (amended) 231, " " 350.

352 " " 234, " " 350.

353 " " 237, " " 352.

354 " " 240, " " 348.



Response to office action 08/477 704 1/14/03 page 4

355 As allowed 243, dependent on 348.

356 " " 246, dependent " 350.

357 " " (amended) 249, dependent on 350.

358 " " 252, " " 356

359 " " 255, " " 357.

360 " " 258, " " 358.

361 " " 261, " " 359.

362 " " 264, " " 348.

363 " " 267, " " 350.

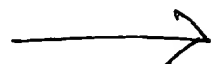
364 " " 270, " " 348.

365 " " 273, " " 348.

366 " " 276, " " 348.

367 " " 281, " " 348

368 " " 282, " " 367



Response to office action 08/477 704 1/14/03 page 5

369. As allowed 287, dependent on 348.

370. " " 288, " " 369.

371. As ~~a~~ " 291, " " 350.

372 " " 294, " " 350.

373 " " 297, " " 371.

374 " " 300, " " 372.

375 " presumably allowable 303, dependent on 348.

376 " " " 306, " " 348.

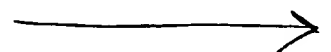
377 " " " 309, " " 348.

378 " " " 312, " " 348.

379 " " " 319, " " 348.

380 " " " 321, " " 379.

381 " " " 323, " " 350.



Response to office action 08/477704 1/14/03 page 6

382 As presumably allowable 325, dependant on 381.

383 As allowed 329, dependant on 348.

384 " " 332, " " 350.

385 " " 335, " " 349.

386 " " 338, " " 351.

387 " " 344, " " 348.

RESPONSE:

The examiner has rejected all the claims because the disclosure is not enabling. With the exception of claims 313 thru 318, which are hereby cancelled, the applicant strongly disagrees with the examiner.

It is agreed ~~and~~ that many documents sent to the PTO by the applicant have apparently been received there but have

→

Response to Office action 1/14/03 08/477 704 page 7

been at least temporarily misfiled or lost. To ~~assist~~ assist the examiner, a copy of the earlier transmitted schedule of claim references is enclosed. That recites the relevant enabling portion of text and diagrams for all claims 218 thru 348.

It is respectfully submitted that the following claims would be allowable if directed to main claim 220, rather than deleted claim 222: Claims 303, 306, 309, 312. With the above amendments, the examiner is respectfully requested to allow the latter four properly enabled claims.

The examiner has allowed certain ^{dependent} claims which he has examined to be enabled by the disclosure in text and diagrams.

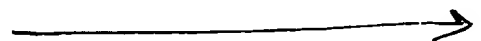
Surely if an identically worded dependent claim is directed to another main claim, that identically worded dependent claim must be considered enabled also.

It is respectfully submitted that the examiners own precedent ~~has~~ ^{has} established that most of
→

response to office action 08/477 704 1/14/03 page 8

the rejected claims are enabled and therefore allowable, as set out in the schedule below:

<u>Allowed</u>	<u>Identical allowable</u>	<u>New Identical Allowable</u>
<u>224</u>	<u>223</u>	<u>349</u>
<u>227</u>	<u>225, 226</u>	<u>350</u>
228 (crossed)	229 (crossed)	
<u>231</u>	<u>230,</u>	<u>351</u>
<u>234</u>	<u>232, 233</u>	<u>352</u>
<u>237</u>	<u>235, 236</u>	<u>353</u>
<u>240</u>	<u>238, 239</u>	<u>354</u>
<u>243</u>	<u>241, 242</u>	<u>355</u>
<u>246</u>	<u>244, 245</u>	<u>356</u>
<u>249</u>	<u>247, 248</u>	<u>357</u>
<u>252</u>	<u>250, 251</u>	<u>358</u>
<u>255</u>	<u>253, 254</u>	<u>359</u>
<u>258</u>	<u>256, 257</u>	<u>360</u>
<u>261</u>	<u>259, 260</u>	<u>361</u>
<u>264</u>	<u>262, 263</u>	<u>362</u>
<u>267</u>	<u>265, 266</u>	<u>363</u>
<u>270</u>	<u>268, 269</u>	<u>364</u>
<u>273</u>	<u>271, 272</u>	<u>365</u>
<u>276</u>	<u>274, 275</u>	<u>366</u>
<u>281</u>	<u>277, 279</u>	<u>367</u>
<u>282</u>	<u>278, 280</u>	<u>368</u>



response to office action 08/477 704 1/14/03

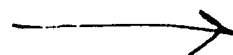
page 9

<u>287</u>	283 <u>283, 285</u>	<u>369</u>
<u>288</u>	<u>284, 286</u>	<u>370</u>
<u>291</u>	<u>289, 290</u>	<u>371</u>
<u>294</u>	<u>292, 293</u>	<u>372</u>
<u>297</u>	<u>295, 296</u>	<u>373</u>
<u>300</u>	<u>298, 299</u>	<u>374</u>
<u>329</u>	<u>327, 328</u>	<u>383</u>
<u>332</u>	<u>330, 331</u>	<u>384</u>
<u>335</u>	<u>333, 334</u>	<u>385</u>
<u>338</u>	<u>336, 337</u>	<u>386</u>
<u>341</u>	<u>339, 340</u>	
<u>344</u>	<u>342, 343</u>	<u>387</u>

If amended claims ^{drawn on 220} (are allowed, then other, ^{related} claims would be allowable:

<u>303 (amended)</u>	<u>301, 302 302 (amended)</u>	<u>375</u>
<u>306 (amended)</u>	<u>304, 305 (amended)</u>	<u>376</u>
<u>309 (amended)</u>	<u>307, 308 (amended)</u>	<u>377</u>
<u>312 (amended)</u>	<u>310, 311 (amended)</u>	<u>378</u>

It is respectfully submitted that certain claims directed to main claims ^{218, 219, 220} ~~220~~ which were rejected by the examiner should be allowed, as the disclosure and diagrams are clearly enabling. By the argument above, if they are allowable, then



response to office action 08/477704 4/14/03 page 10

identical dependent claims drawn on another main claims should be allowable also, as scheduled below.

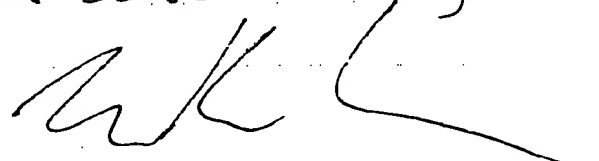
allowable old identical allowable identical new allowable

<u>319</u>	<u>320</u>	<u>379</u>
<u>322</u>	<u>321</u>	<u>380</u>
<u>323</u>	<u>324</u>	<u>381</u>
<u>325</u>	<u>326</u>	<u>382</u>

It is respectfully submitted that the deletions, amendment and additions to the claims, together with the arguments presented in the response, ensure that all the present claims in this case are in order.

~~Condie~~ Considering the documents submitted in February (copies of any lost items can be provided, together with the modifications to the claims above, it would appear that the case is ready to be allowed.

Mitja Hinders
Applicant.


Jan 14 2003.

US Patent Application **08 / 477 704** filed June 7 1995
Applicant: Mitja V Hinderks

REFERENCES for CLAIMS 218 through 347

Please note that the text specifies that any feature can be combined with any other feature of the disclosure. For exmple, see page 104 lines 1 to 3; page 208 line 1.

Claim No: See Figures and Text:

218 Page 177 lines 12 to 19

Figures 364, 367, 371 through 376; pages 176 line 13 through 182 line 8.

219 Figures 397 through 400(b); pages 191 line 15 through 194 line 17.

Figures 408 through 411; pages 199 line 2 through 200 line 11.

220 Figure 368, page 179 lns 1 through 18.

Figures 390 through 393, 395, 396; pages 186 ln 12 through 187 ln 28,
pages 188 ln 13 through 191 ln 14.

~~221~~ Combines 219 with the features of 218. See above.

~~222~~ Combines 220 with the features of 218. See above.

~~223~~ Combines 218 with the features of 219. See above.

224 Combines 220 with the features of 219. See above.

225 through 231 As claims 218 through 224, except that the device becomes a reciprocating internal combustion engine. Page 103 lines 17 through 25 specifies that the disclosures relate to any type of engine or pump.

2

232, 233, 234 Figures 135 through 143, 180; pages 98 line 1 through page 101 line 13.
Figures 351, 252, 253; page 127 lines 9 through 26.
Figures 398, 399; pages 192 line 10 through 193 line 14.

235, 236, 237 Figures 135 through 143, 180; pages 98 line 1 through page 101 line 13.
Figures 351, 252, 253; page 127 lines 9 through 26.

238, 239, 240 Figures 354 through 359; pages 171 line 20 through 173 line 28.
Figure 394; page 188 lines 4 through 12.
Figures 408 through 411; pages 198 line 25 through 200 line 11.
Figure 416, 418, 419, 420; pages 201 line 1 through 207 line 26.

241, 242, 243 Figures 408 through 411; pages 198 line 25 through 200 line 11.
Figure 416, 418, 419, 420; pages 201 line 1 through 207 line 26.

244, 245, 246, As for claims 238 to 240.

247, 248, 249 As for claims 241 to 243.

250 through 255 Figures 1 through 5; pages 15 line 19 to page 19 line 11.
Figures 29 through 72, 125 through 131; pages 39 line 7 to 47 line 27.

256 through 261 Page 18 line 10 through 26.
Page 20 lines 6 through 17.
Page 23 line 1 through 24 line 3.

262 through 267 Figures 189, 242; pages 172 line 9 through 173 line 15.
Figures 254, 255; pages 127 line 26 through 128 line 8.
Figure 408 through 411; pages 198 line 25 through 200 line 11.
Figures 416 through 420; pages 198 line 25 through 200 line 11.

268 through 273	Throughout text generally. See page 89 lines 4 to 21; page 102 lines 1 and 2; page 207 lines 12 to 18.
274, 275, 276	Figure 239; pages 124 line 27 through 125 line 9.
277, 279, 281, 283, 285, 287	Figures 183, 184 ; page 102 line 1 through 17. Figure 236, 237; page 124 lines 12 through 27. Figures 416, 418, 419, 420; pages 201 line 1 through 205 line 26.
278, 280, 282, 284, 286, 288	Figures 416, 417; pages 201 lines 16 to 23, 29 through 202 line 3. Figure 420; page 204 line 6 through 205 line 28.
289 through 294	Throughout text generally. See page 89 lines 4 to 21; page 102 lines 1 and 2; page 207 lines 12 to 18.
295 through 300	Figure 176; page 72 lines 1 through 7.
301, 302, 303	Page 180 lines 17 to 21.
304, 305, 306	Figures 371, 372; pages 180 line 21 through 181 line 3.
307, 308, 309	Figures 375, 376; pages 181 line 4 through 182 line 8.
310, 311, 312	Figures 373, 374; pages 181 line 4 through 182 line 8.
313 through 318	Page 103 lines 17 through 25 specifies that the disclosures relate to any type of engine or pump.
319, 320, 323, 324	Figure 364; page 177 line 20 through 178 line 2. Figures 400(a) through 407; pages 193 line 15 through 198 line 15.
321, 322, 325, 326	Figures 400(a) through 407; pages 193 line 15 through 198 line 15.
327 through 332	Figure 140; page 99 line 26 to 100 line 8.

4

Figure 184; page 102 lines 7 to 17.

Figure 188; page 103 lines 1 to 4.

Figures 189 through 205, 242; pages 106 line 1 to 107 line 23, page 113 line 16 to 115 line 26.

Figures 236, 237; page 124 lines 12 to 27.

Figures 254, 255; pages 127 line 26 to 128 line 8.

Figures 351 through 359; pages 171 line 1 through 173 line 28.

Figure 364; pages 177 line 20 through 178 line 2.

Figures 390, 391; pages 186 line 13 through 187 line 10.

Figure 394; page 188 lines 1 to 12.

Figures 397 through 399; pages 191 line 15 through 193 line 14.

Figures 405, 406; page 197 lines 3 to 24.

Figures 408 through 411; pages 198 line 25 through 200 line 11.

Figures 416 through 420; pages 201 line 1 through 205 line 26.

333 through 338 Figures 189, 242; page 106 lines 1 to 27.

Figures 254, 256; pages 127 line 26 through 128 line 8.

Figure 409; pages 198 line 5 through 199 line 22.

Figure 419; pages 202 line 16 through 204 line 5.

339, 340, 341 Figures 236, 237; page 124 lines 12 to 27.

Figures 351 through 359; pages 171 line 1 through 173 line 28.

342 through 347 Figures 236, 237; page 124 lines 12 to 27.

Figures 351 through 359; pages 171 line 1 through 173 line 28.

End of claim references.